ELECTRONICS

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GH68-00542A

SAMSUNG

DUAL BAND Mobile Cellular Phone

SGH-2100

SERVICE *Manual*

DUAL BAND Mobile Cellular Phone

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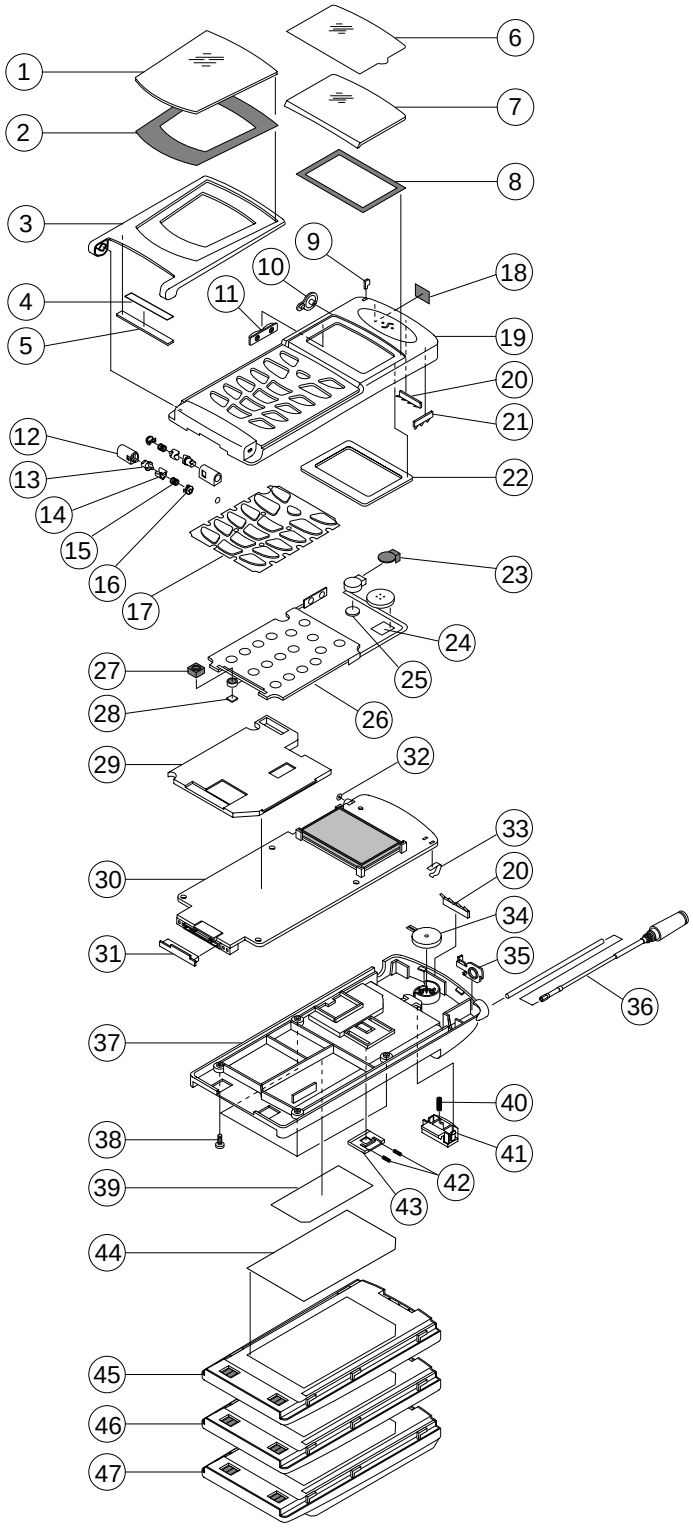
1. Exploded Views and Parts List

1-1 Main

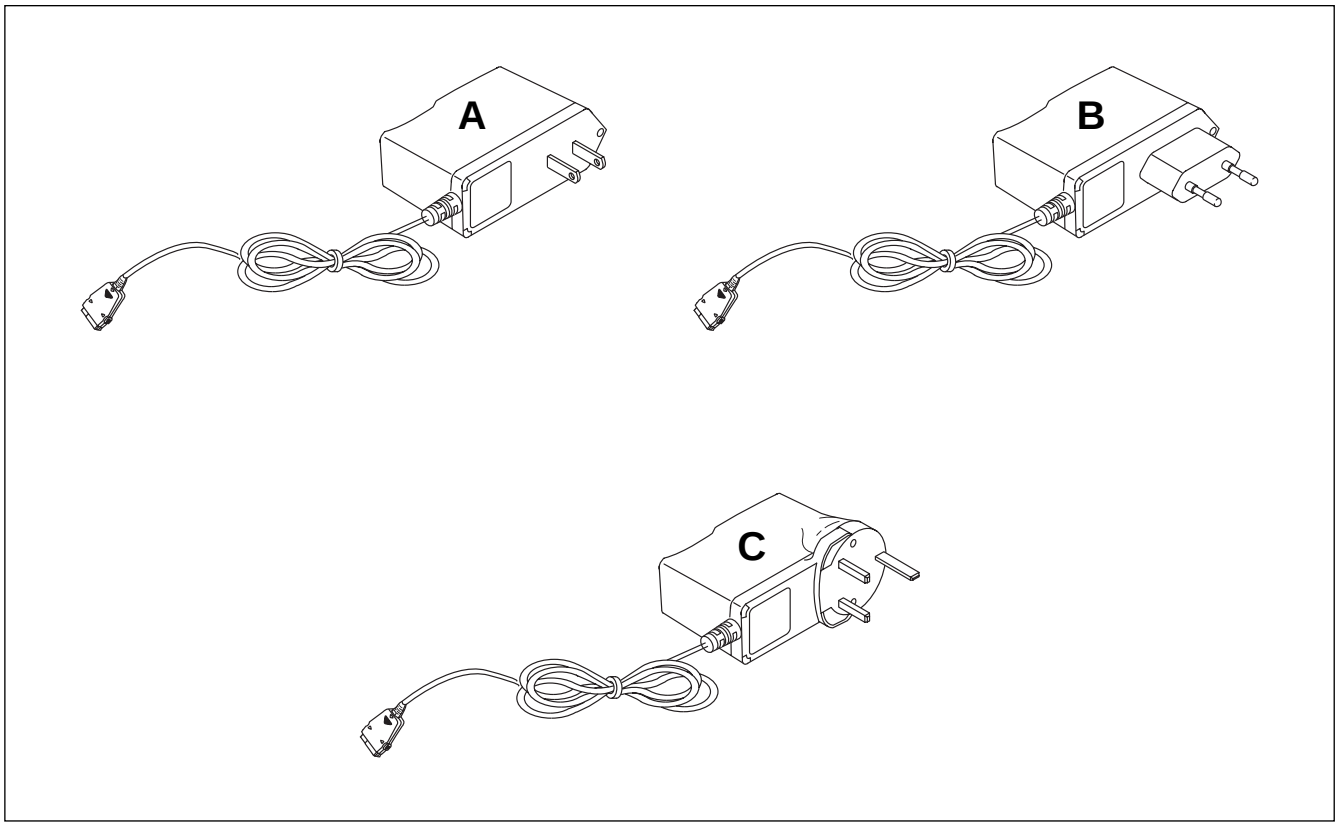


1-2 Main Parts List

NO	DESCRIPTION	SEC.CODE	Q'TY	REMARK
1	HALF-MIRROR	GH72-00274A	1	
2	TAPE-H/DUMMY	GH74-00197A	1	
3	H/FLIP	GH72-00381A	1	
4	MARGNETIC	937-312008AA	1	
5	LABEL-FLIP	GH68-11192A	1	
6	TAPE WINDOE BOHO	GH72-10001A	1	
7	WINDOW LCD	GH72-00139A	1	
8	TAPE-WINDOW	GH74-40520A	1	
9	REFLETOR LED	GH72-41576A	1	
10	COVER EAR-JACK	GH73-40726A	1	
11	KEY VOLUMN	GH73-40724A	1	
12	HINGE-HOUSING	GH72-41360A	2	
13	SHAFT-HINGE	GH72-41057A	2	
14	HINGE-CAM	GH61-80002A	2	
15	SPRING-HINGE	GH70-10680A	2	
16	HOUSING-CAP	GH72-41056A	2	
17	KEY MAIN	GH72-41756A	1	
18	CLOTH-BUZZER	GH63-20001A	1	
19	FRONT-COVER	GH72-41742A	1	
20	SHIELD STRIP(C)	GH71-10641A	2	
21	SHIELD STRIP(B)	GH71-10640A	1	
22	SPONGE-LCD	GH74-40521A	1	
23	RUBBER-BUZZER	GH73-40723A	1	
24	SUPPORT SPK	GH74-00131A		
25	BACKUP TAPE	GH74-40518A	1	
26	KEY PCB	GH59-00025A	1	
27	HOLDER MIC	GH73-40641A	1	
28	SPK SPONGE	GH74-10604A	1	
29	SHIELD-FRAME	GH72-41753A	1	
30	MAIN PCB	GH92-00740A	1	
31	COVER CONNECTOR	GH73-40686A	1	
32	JACK-COVER	GH73-10514A	1	
33	ANTENNA CON.	GH71-00020A	1	
34	VIBRATOR	GH31-10004A	1	
35	ANTENNA BRK	GH71-00021A	1	
36	ANT	GH42-00012A	1	
37	REAR-COVER	GH72-417423A	1	
38	SCREW-MACHINE	6001-001046	4	

NO	DESCRIPTION	SEC.CODE	Q'TY	REMARK
39	LABEL MAIN	GH68-00352A	1	
40	SPRING-LOCKER	GH70-10516A	1	
41	LOCKER-MAIN	GH72-41373A	1	
42	SPRING-SIM	GH70-00006A	2	
43	COVER-SIM	GH72-00088A	1	
45	BATTERY SLIM	GH43-00029A		
46	BATTERY STD	GH43-00027A		
47	BATTERY LONG	GH43-00028A		

1-3 Travel Adaptor

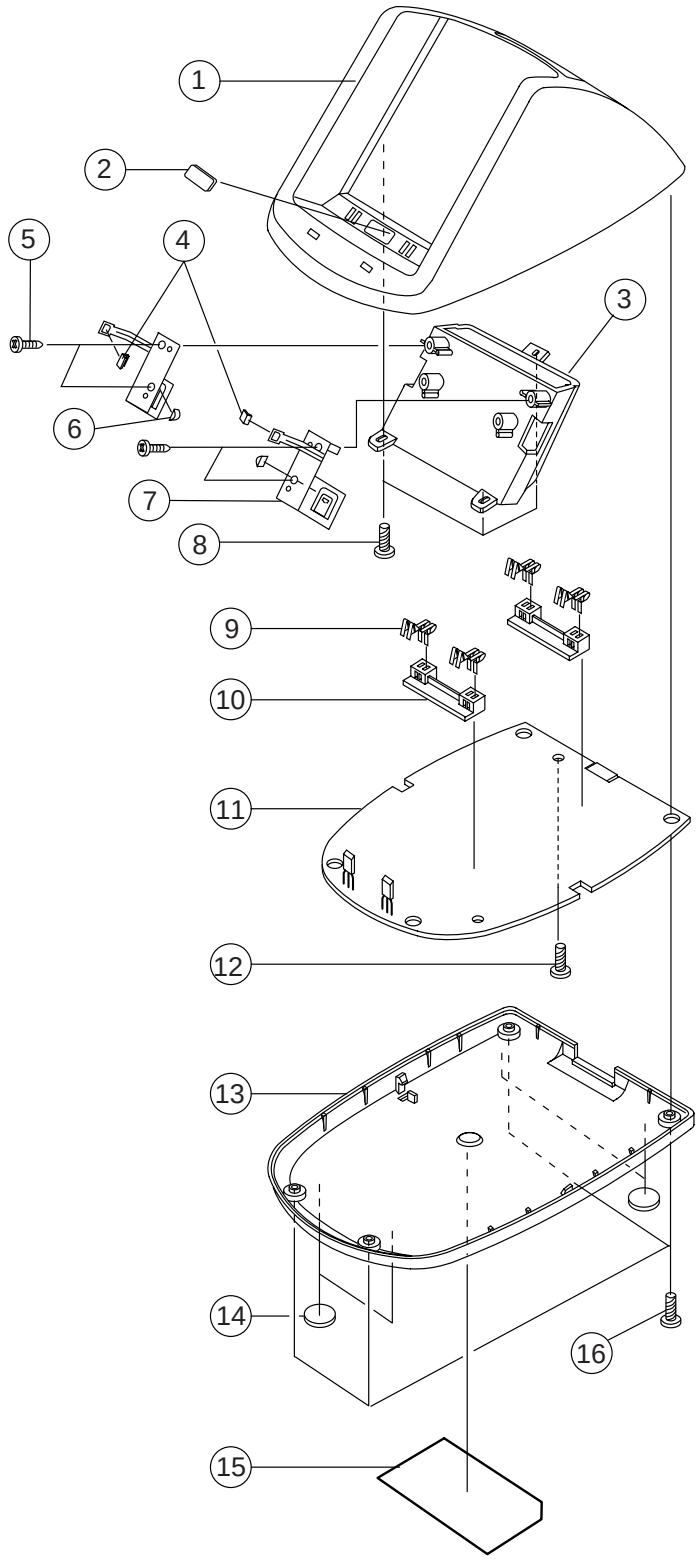


1-4 Travel Adaptor Parts List

TYPE	SEC CODE	REMARK
A	GH96-01143A	CHINA
B	GH96-01146A	EUROPE
C	GH96-01095A	UNITED KINGDOM

1-5 Desk Top Charger

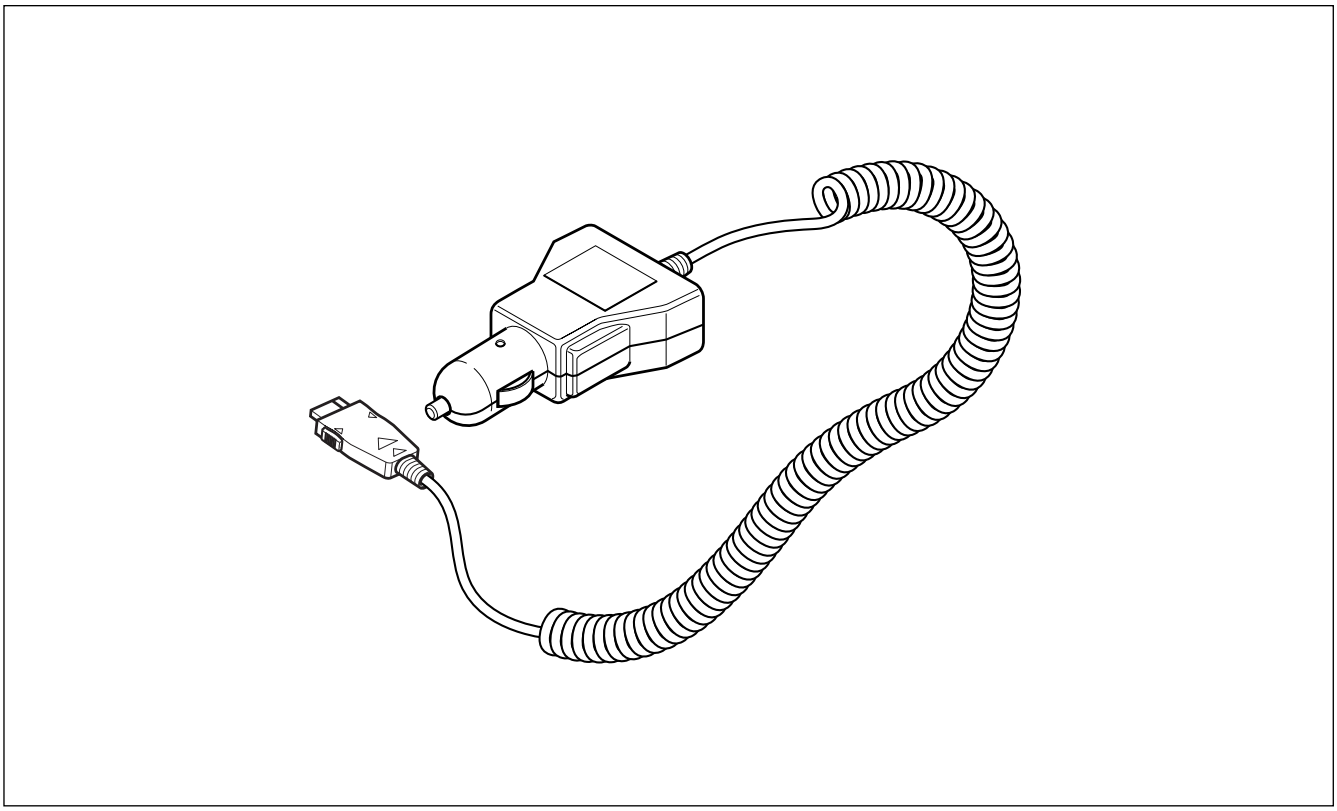
SEC CODE : GH44-00046A



1-6 Desk Top Charger Parts List

NO	DESCRIPTION	SEC.CODE	Q'TY	REMARK
1	UPPER-CASE		1	
2	GATE-LABEL		1	
3	BATTERY-HOUSING		1	
4	HANDY-LOCKER		2	
5	SCREW-TAPPING		4	
6	BATTERY-LOCKER		2	
7	HANGER-SPRING(R), (L)		1, 1	
8	SCREW-TAPPING		3	
9	CONTACT-PLATE		8	
10	CONTACT-HOUSING		2	
11	PCB		1	
12	SCREW-TAPPING		1	
13	LOWER-CASE		1	
14	FOOT-RUBBER		4	
15	LABEL NAME		1	
16	SCREW-TAPPING		4	

1-7 Ciger Light Adaptor

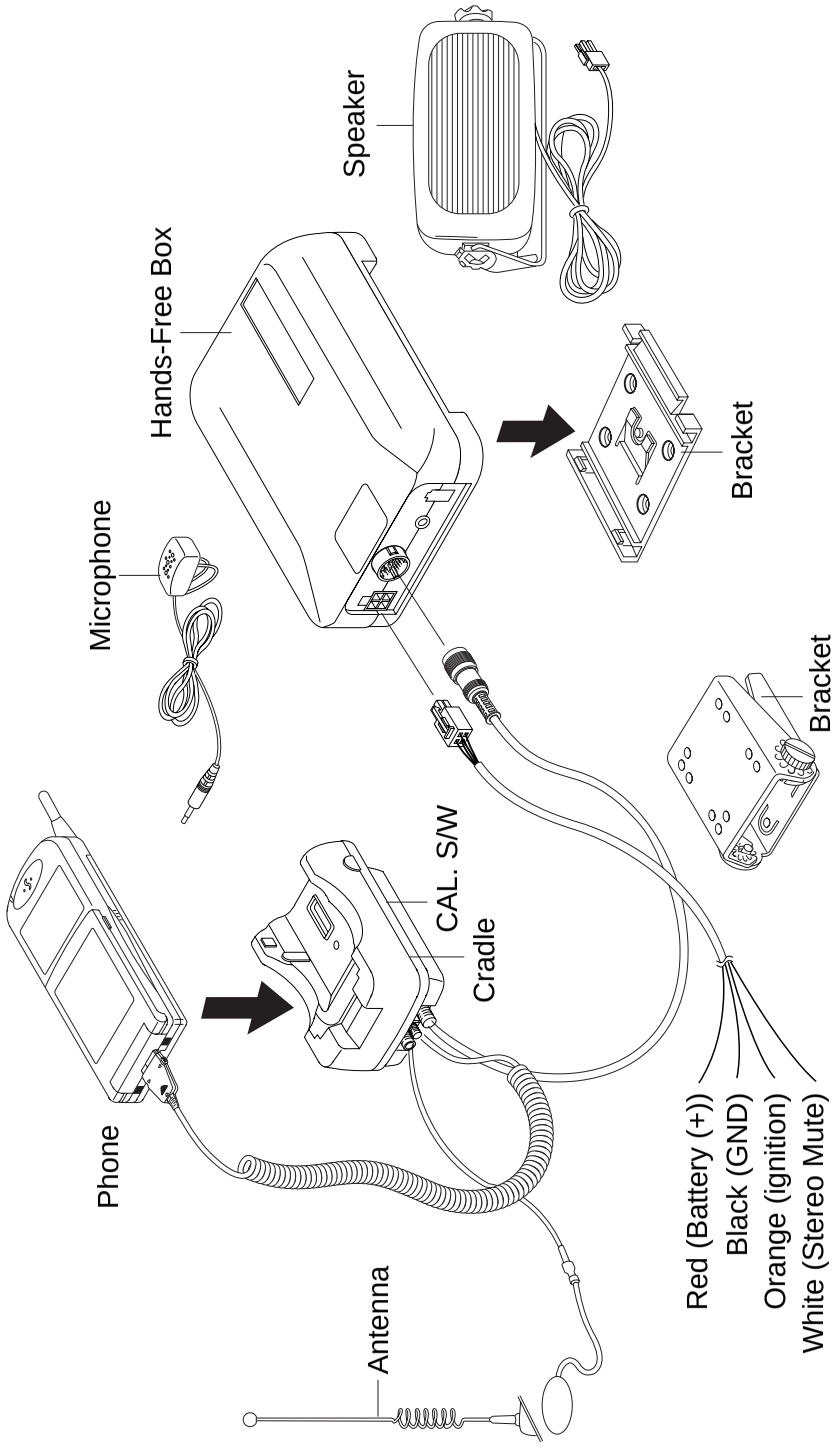


1-8 Ciger Light Adaptor Parts List

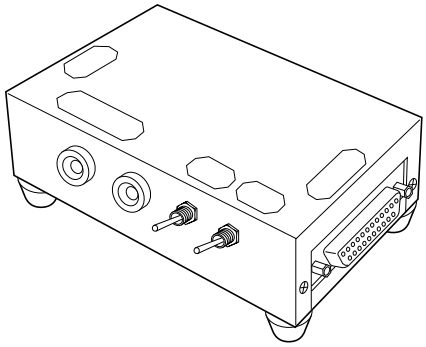
DESCRIPTION	SEC CODE	REMARK
Ciger Light Adaptor Code	GH44-00040A	BLACK

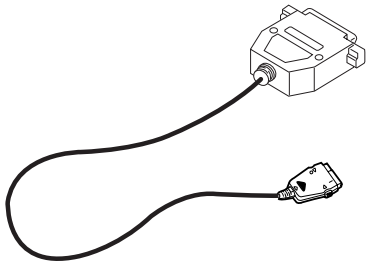
1-9 Hands Free Kit

SEC CODE : GH96-00800A

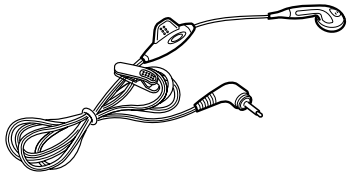


1-10 Test Zig

	
TEST JIG	GH80-10508A

	
DATA CABLE	GH39-30532A

1-11 Earphone

	
EARPHONE	GH96-00820A

2 Electrical Parts List

2-1 Main Parts List

LOCATION	SEC.CODE	DESCRIPTIONS
D401,D801	0401-001033	MCL4154,25V,200mA,M-MELF,TP
D253,D255,D808	0404-001044	UPS5817,20V,1A,SMD,TP
D400	0404-001054	HSMS-2805,70V,15mA,SOT-143,TP
D600	0405-001051	SMV1249,4.7V,50NA,SOT-23,TP
D176,D177	0406-001051	SMS05C,6V,300W,SOT-23-6
D252	0407-001002	DAN222,80V,300mA,CA2-3,EM3,TP
D901,D902	0407-001006	DA221,20V,100mA,C2-3,EM3,TR
D251	0407-001007	UMN1,80V,25mA,CA4-2,UM5,TR
Q152,Q950,Q951	0501-002011	2SD2114K,NPN,200mW,SOT-23,TP,8
Q300	0501-002037	BFP405,NPN,55mW,SOT-343,TP,50-
Q601,Q604	0501-002196	BFS17W,NPN,280mW,SOT-323,TP,20
U307	0501-002205	BCR400W,NPN,-,SOT-343,TP,-
Q151,Q153	0504-000167	RN1102,NPN,100MW,10K/10K,SSM,TP
Q255,Q256,Q257	0504-000168	RN1104,NPN,100MW,47K/47K,SSM,TP
Q500	0505-000110	2N7002,N,60V,115mA,5ohm,200mW,
U501,U502	0505-001131	TP0101T,P,-12V,-500mA,690mohm,
Q957	0505-001332	FDG6301,N,25V,0.22A,4OHM,.3W,SC70-6
Q600	0506-000173	BFS480,NPN,2,80mW,SOT-363,TP,3
U128,U252,U302,U303	0506-001004	UMC5N,NPN/PNP,2,50V,-,-100mA,3
U400,U403,U412,U813	0506-001004	UMC5N,NPN/PNP,2,50V,-,-100mA,3
LED100	0601-000276	CHIP,Y/GRN,1.6x2.0mm,570nm
U902,U903	0801-000022	7S00,NAND GATE,SOP,5P,49MIL,SINGLE,TP,PLASTIC,-,-,-,-40TO+85C,200MW,-,25MA,-,-
U900,U901,U904,U906	0801-000794	7S08,AND GATE,SOT-25,5P,63MIL,
U905	0801-002345	7S04FU,INVERTER,SOP,5P,-,-,TP,
U413,U414	0801-002349	7S66,BILATERAL SWITCH,SOP,5P,5
U962,U963	1001-001088	MAX4544EUT-T,-,SOT-23,6P,-,SINGLE,13V,-40TO+85C,PLASTIC,571MW,60 OHM,75NS,100NS,
U203	1103-001090	24C128,16Kx8BIT,SOP,8P,150MIL,
U105	1106-001272	4MBIT,TSOP,32P,813MIL,100NS,3V,-,PLASTIC,-40TO+85C,15UA,CMOS,-
U103	1107-001062	1Mx8BIT,SON,46P,-,100n
U104	1107-001158	1MX16BIT,SOP,46P,90MIL,120NS,3V,-,PLASTIC,-40TO+85CC,5UA,CMOS,-
U406	1201-001018	7131,SOT-23,5P,-,SINGLE,70dB,P
U127	1201-001212	925,TSSOP,16P,150MIL,DUAL,200MV,PLASTIC,14V,-,-40TO+125C,80DB,1.3V/US,1NA,15NA,3
U604	1201-001248	0916,SOT-143,4P,-,-,2.7V,-,6Vd
U402	1201-001299	RF-K,8P,-,SINGLE,-,-,8V,
U408	1201-001411	RF-K,5P,-,-,-,MODULE,8V,3W,-30TO+100C,-,-,-,-,-
U960	1202-001022	75W56,SSOP,8P,110MIL,DUAL,7V,C
U801,U803,U805,U806	1203-001285	5205,SOT-23,5P,150MIL,PLASTIC,
U810,U811	1203-001285	5205,SOT-23,5P,150MIL,PLASTIC,

LOCATION	SEC.CODE	DESCRIPTIONS
U809	1203-001511	809,SOT-23,3P,-,PLASTIC,0.3/6.
U253	1203-001515	SSOP,16P,150MIL,PLASTIC,3
U804	1203-001592	1015,SOT-23A-5,5P,59MIL,PLASTI
U812	1203-001702	SOP,10P,112MIL,PLASTIC,2/5.5V,444MW,-40TO+85C,220MA,1.3V,TP
U102	1203-001740	1555,SOP,16P,150MIL,PLASTIC,-0.3/12V,-,-0TO+70C,20MA,4.75/5.25V,ST
U301	1204-001006	SOP,20P,205MIL,PLASTIC,3
U300,U305	1205-001307	SOP,16P,197MIL,PLASTIC
U200	1205-001327	QFP,144P,14MIL,PLAST
U950	1205-001697	TQFP,80P,472MIL,PLASTIC,3V,-,-,TR,VLSI
U202	1206-001009	RS5C372A,SOP,8P,173MIL,PLASTIC
U603	1209-001220	SOP,20,173MIL,PLASTIC,
U500	1209-001233	SSOP,28P,-,PLASTIC,5.5V,-,-20TO+85C,TP
TH1	1404-001005	47Kohm,5%,4050K,2.0mW/C,TP
D179	1405-001018	14V,-,1.6x0.8mm,TP
D103,D104,D819	1405-001019	5.6V,-,1.6x0.8mm,TP
D101,D102	1405-001072	5V,20A,1.6X0.8X0.9MM,TP
R113,R114	2007-000072	47ohm,5%,1/16W,DA,TP,1608
R105,R129,R135,R163	2007-000138	100ohm,5%,1/16W,DA,TP,1005
R177,R178,R179,R182	2007-000138	100ohm,5%,1/16W,DA,TP,1005
R183,R185,R186,R187	2007-000138	100ohm,5%,1/16W,DA,TP,1005
R188,R621,R653,R970	2007-000138	100ohm,5%,1/16W,DA,TP,1005
R644	2007-000139	220ohm,5%,1/16W,DA,TP,1005
R160,R220,R221,R529	2007-000140	1Kohm,5%,1/16W,DA,TP,1005
R611,R646,R811,R951	2007-000140	1Kohm,5%,1/16W,DA,TP,1005
R954	2007-000140	1Kohm,5%,1/16W,DA,TP,1005
R640	2007-000141	2.2Kohm,5%,1/16W,DA,TP,1005
R309,R609	2007-000142	2.7Kohm,5%,1/16W,DA,TP,1005
R162,R351	2007-000143	4.7Kohm,5%,1/16W,DA,TP,1005
R606,R628	2007-000145	6.2Kohm,5%,1/16W,DA,TP,1005
R603	2007-000146	6.8Kohm,5%,1/16W,DA,TP,1005
R104,R152,R205,R210	2007-000148	10Kohm,5%,1/16W,DA,TP,1005
R232,R235,R238,R253	2007-000148	10Kohm,5%,1/16W,DA,TP,1005
R256,R363,R418,R419	2007-000148	10Kohm,5%,1/16W,DA,TP,1005
R605,R630,R637,R906	2007-000148	10Kohm,5%,1/16W,DA,TP,1005
R907,R952,R962,R963	2007-000148	10Kohm,5%,1/16W,DA,TP,1005
R984,R985	2007-000148	10Kohm,5%,1/16W,DA,TP,1005
R300	2007-000152	20Kohm,5%,1/16W,DA,TP,1005
R622	2007-000153	22Kohm,5%,1/16W,DA,TP,1005
R126,R208,R218,R219	2007-000157	47Kohm,5%,1/16W,DA,TP,1005
R352,R353	2007-000157	47Kohm,5%,1/16W,DA,TP,1005
R257	2007-000159	56Kohm,5%,1/16W,DA,TP,1005
R100,R101,R102,R151	2007-000162	100Kohm,5%,1/16W,DA,TP,1005

LOCATION	SEC.CODE	DESCRIPTIONS
R153,R209,R212,R213	2007-000162	100Kohm,5%,1/16W,DA,TP,1005
R214,R215,R222,R231	2007-000162	100Kohm,5%,1/16W,DA,TP,1005
R251,R252,R254,R255	2007-000162	100Kohm,5%,1/16W,DA,TP,1005
R263,R264,R528,R812	2007-000162	100Kohm,5%,1/16W,DA,TP,1005
R972,R980	2007-000162	100Kohm,5%,1/16W,DA,TP,1005
R610,R639	2007-000164	150Kohm,5%,1/16W,DA,TP,1005
R131,R184,R326,R327	2007-000171	0ohm,5%,1/16W,DA,TP,1005
R361,R505,R531,R624	2007-000171	0ohm,5%,1/16W,DA,TP,1005
R631,R647,R800,R809	2007-000171	0ohm,5%,1/16W,DA,TP,1005
R828,R955,R968,R978	2007-000171	0ohm,5%,1/16W,DA,TP,1005
R986,L312	2007-000171	0ohm,5%,1/16W,DA,TP,1005
R180,R181,R308,R500	2007-000172	10ohm,5%,1/16W,DA,TP,1005
R501,R502,R503,R504	2007-000172	10ohm,5%,1/16W,DA,TP,1005
R517,R524,R527,R601	2007-000172	10ohm,5%,1/16W,DA,TP,1005
R602,R607,R633,R638	2007-000172	10ohm,5%,1/16W,DA,TP,1005
R650,R989,R990	2007-000172	10ohm,5%,1/16W,DA,TP,1005
R651,R654	2007-000173	22ohm,5%,1/16W,DA,TP,1005
R515,R516,R518	2007-000932	470ohm,5%,1/16W,DA,TP,1005
R130,R136,R417	2007-001119	680ohm,5%,1/16W,DA,TP,1005
R428	2007-001217	82ohm,5%,1/16W,DA,TP,1005
R623,R625,R627	2007-001288	18ohm,5%,1/16W,DA,TP,1005
R431	2007-001295	39ohm,5%,1/16W,DA,TP,1005
R305,R364,R410,R420	2007-001298	51ohm,5%,1/16W,DA,TP,1005
R511,R519,R520,R648	2007-001298	51ohm,5%,1/16W,DA,TP,1005
R649	2007-001298	51ohm,5%,1/16W,DA,TP,1005
R445	2007-001301	68ohm,5%,1/16W,DA,TP,1005
R404,R406,R617	2007-001305	120ohm,5%,1/16W,DA,TP,1005
R430,R432	2007-001306	150ohm,5%,1/16W,DA,TP,1005
R306,R311,R316,R317	2007-001307	180ohm,5%,1/16W,DA,TP,1005
R510,R613,R805	2007-001308	200ohm,5%,1/16W,DA,TP,1005
R128,R134	2007-001311	270ohm,5%,1/16W,DA,TP,1005
R356,R357,R365,R526	2007-001313	330ohm,5%,1/16W,DA,TP,1005
R950,R953	2007-001313	330ohm,5%,1/16W,DA,TP,1005
R525,R612	2007-001316	820ohm,5%,1/16W,DA,TP,1005
R507,R512	2007-001317	910ohm,5%,1/16W,DA,TP,1005
R629	2007-001323	3Kohm,5%,1/16W,DA,TP,1005
R354,R608	2007-001325	3.3Kohm,5%,1/16W,DA,TP,1005
R618,R643	2007-001339	180Kohm,5%,1/16W,DA,TP,1005
R413	2007-002797	560OHM,5%,1/16W,DA,TP,1005
R301	2007-003020	4.3KOHM,5%,1/16W,DA,TP,1005
R427,R429	2007-003030	91OHM,5%,1/16W,DA,TP,1005
R304	2007-003112	27OHM,5%,1/16W,DA,TP,1005

LOCATION	SEC.CODE	DESCRIPTIONS
R407	2007-007001	3.9KOHM,5%,1/16W,DA,TP,1005
R521	2007-007090	11KOHM,5%,1/16W,DA,TP,1005
R362	2007-007096	160OHM,5%,1/16W,DA,TP,1005
R132,R137,R259	2007-007107	100Kohm,1%,1/16W,DA,TP,1005
R265	2007-007133	300ohm,1%,1/16W,DA,TP,1005
R261	2007-007135	18Kohm,1%,1/16W,DA,TP,1005
R434,R619,R903,R905	2007-007137	1.2Kohm,1%,1/16W,DA,TP,1005
R522	2007-007141	240OHM,5%,1/16W,DA,TP,1005
R904,R987	2007-007142	10Kohm,1%,1/16W,DA,TP,1005
R514,R523,R626,R645	2007-007195	3.9OHM,5%,1/16W,DA,TP,1005
R652	2007-007195	3.9OHM,5%,1/16W,DA,TP,1005
R262,R416	2007-007309	12Kohm,1%,1/16W,DA,TP,1005
R414	2007-007310	8.2Kohm,1%,1/16W,DA,TP,1005
R412	2007-007311	22Kohm,1%,1/16W,DA,TP,1005
R409	2007-007316	3.3Kohm,1%,1/16W,DA,TP,1005
R200,R201,R202,R203	2007-007317	2.2Kohm,1%,1/16W,DA,TP,1005
R901	2007-007317	2.2Kohm,1%,1/16W,DA,TP,1005
R121,R127,R133,R303	2007-007318	1Kohm,1%,1/16W,DA,TP,1005
R313,R415	2007-007318	1Kohm,1%,1/16W,DA,TP,1005
R266	2007-007470	7.5Kohm,1%,1/16W,DA,TP,1005
R435,R655	2007-007588	1.8Kohm,1%,1/16W,DA,TP,1005
R258	2007-007590	82Kohm,1%,1/16W,DA,TP,1005
R260	2007-007592	270Kohm,1%,1/16W,DA,TP,1005
R979,R981	2007-007627	16Kohm,1%,1/16W,DA,TP,1005
R983	2007-007630	14Kohm,1%,1/16W,DA,TP,1005
R355,R900,R902	2007-007788	332OHM,1%,1/16W,DA,TP,1005
C524	2203-000151	1.5nF,5%,50V,NPO,TP,2012,-
C117	2203-000189	100nF,+80-20%,25V,Y5V,TP,1608,
C215,C216,C217,C218	2203-000233	100pF,5%,50V,NPO,TP,1005,-
C303,C318,C337,C362	2203-000233	100pF,5%,50V,NPO,TP,1005,-
C368,C411,C416,C501	2203-000233	100pF,5%,50V,NPO,TP,1005,-
C502,C503,C508,C509	2203-000233	100pF,5%,50V,NPO,TP,1005,-
C516,C521,C623,C628	2203-000233	100pF,5%,50V,NPO,TP,1005,-
C635,C642	2203-000233	100pF,5%,50V,NPO,TP,1005,-
C300,C307,C348	2203-000278	10pF,0.5pF,50V,NPO,TP,1005,-
C445	2203-000311	120pF,5%,50V,NPO,TP,1005,-
C310,C512,C514,C539	2203-000330	12pF,5%,50V,NPO,TP,1005,-
C604	2203-000330	12pF,5%,50V,NPO,TP,1005,-
C625	2203-000359	150pF,5%,50V,NPO,TP,1005,-
C316,C951,C958,C959	2203-000386	15pF,5%,50V,NPO,TP,1005,-
C968,C970	2203-000386	15pF,5%,50V,NPO,TP,1005,-
C207,C311,C351,C352	2203-000438	1nF,10%,50V,X7R,TP,1005,-

LOCATION	SEC.CODE	DESCRIPTIONS
C354,C356,C361,C371	2203-000438	1nF,10%,50V,X7R,TP,1005,-
C373,C375,C379,C504	2203-000438	1nF,10%,50V,X7R,TP,1005,-
C522,C621,C637,C641	2203-000438	1nF,10%,50V,X7R,TP,1005,-
C966,C967	2203-000438	1nF,10%,50V,X7R,TP,1005,-
C624	2203-000455	1nF,5%,50V,NPO,TP,2012,-
C177	2203-000509	2.2pF,0.25pF,50V,NPO,TP,1608,-
C409	2203-000585	220pF,10%,50V,X7R,TP,1005,-
C950,C956	2203-000604	22nF,10%,25V,X7R,TP,1608,-
C305,C330,C374,C376	2203-000628	22pF,5%,50V,NPO,TP,1005,-
C378,C415,C505,C506	2203-000628	22pF,5%,50V,NPO,TP,1005,-
C515,C611,C617	2203-000628	22pF,5%,50V,NPO,TP,1005,-
C405,C418,C423,C428	2203-000679	27pF,5%,50V,NPO,TP,1005,-
C454,C457,C458,C459	2203-000679	27pF,5%,50V,NPO,TP,1005,-
C460,C510,C511,C517	2203-000679	27pF,5%,50V,NPO,TP,1005,-
C520,C529,C530,C632	2203-000679	27pF,5%,50V,NPO,TP,1005,-
C633,C639	2203-000679	27pF,5%,50V,NPO,TP,1005,-
C346	2203-000696	2pF,0.25pF,50V,NPO,TP,1005,-
C609	2203-000725	3.9nF,10%,50V,X7R,TP,1005,-
C614	2203-000800	33nF,10%,25V,X7R,TP,1608,-
C302,C306,C319,C467	2203-000812	33pF,5%,50V,NPO,TP,1005,-
C610	2203-000836	390pF,10%,50V,X7R,TP,1005,-
C325	2203-000854	39pF,5%,50V,NPO,TP,1005,-
C128,C136	2203-000885	4.7nF,10%,25V,X7R,TP,1005,-
C304,C357,C810,C819	2203-000940	470pF,10%,50V,X7R,TP,1005,-
C862,C867	2203-000940	470pF,10%,50V,X7R,TP,1005,-
C321,C350,C377,C647	2203-001017	4pF,0.25pF,50V,NPO,TP,1005,-
C518,C519	2203-001072	56pF,5%,50V,NPO,TP,1005,-
C165, C166, C167, C168	2203-001101	6.8nF,10%,25V,X7R,TP,1005,-
C507,C513	2203-001153	68pF,5%,50V,NPO,TP,1005,-
C315,C540	2203-001178	6pF,0.5pF,50V,NPO,TP,1005,-
C314,C339	2203-001201	7pF,0.5pF,50V,NPO,TP,1005,-
C131,C139	2203-001211	8.2nF,10%,50V,X7R,TP,1608,-
C410,C430	2203-001221	820pF,10%,50V,X7R,TP,1005,-
C613	2203-001259	8pF,0.5pF,50V,NPO,TP,1005,-
C169	2203-001402	220nF,+80-20%,16V,Y5V,TP,1608,
C523	2203-001408	270pF,5%,50V,COG,TP,1608,-
C170,C171,C172,C173	2203-001598	2.2uF,+80-20%,16V,Y5V,TP,2012,
C429	2203-002525	560pF,10%,50V,X7R,TP,1005,-
C317,C991,C993,C954	2203-003054	9PF,0.25PF,50V,CH,TP,1005,-
C969,C996,C997	2203-003054	9PF,0.25PF,50V,CH,TP,1005,-
C313,C341,C353	2203-005050	1.8pF,0.25pF,50V,NPO,TP,1005,-
C210,C528,C603,C644	2203-005054	4.7pF,0.25pF,50V,NPO,TP,1005,-

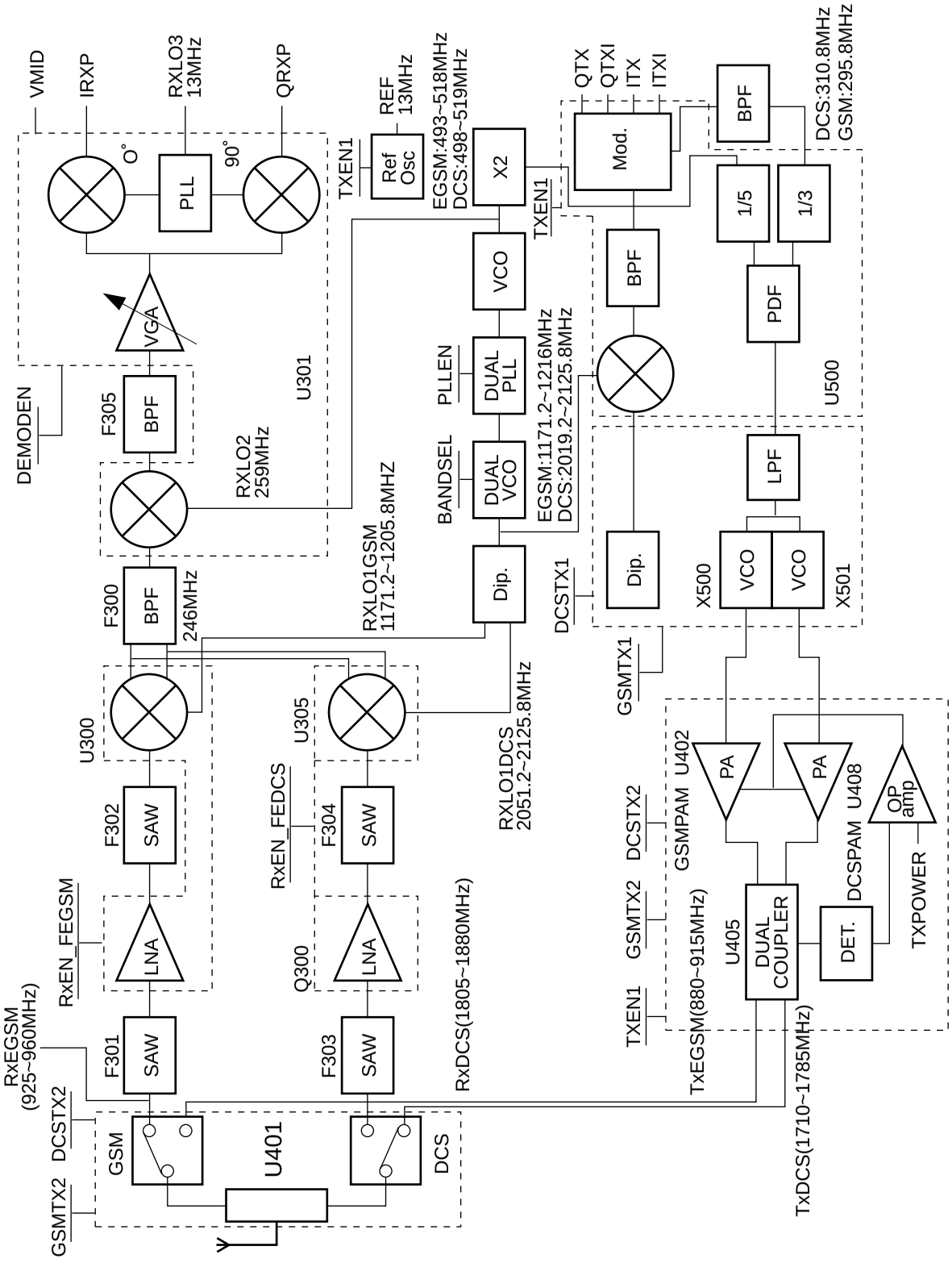
LOCATION	SEC.CODE	DESCRIPTIONS
C606	2203-005057	8.2pF,0.25pF,50V,NPO,TP,1005,-
C100,C102,C106,C107	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C126,C134,C141	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C201,C204,C205	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C206,C214,C254,C258	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C259,C260,C261,C322	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C358,C363,C372,C500	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C608,C618,C634,C800	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C851,C853,C855,C869	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C874,C901,C902,C903	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C904,C905,C961,C964	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C971,C972,C973,C974	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C990	2203-005061	100nF,+80-20%,16V,Y5V,TP,1005,
C257,C364,C533,C534	2203-005065	1uF,+80-20%,10V,Y5V,TP,1608,-
C535,C536,C638,C669	2203-005065	1uF,+80-20%,10V,Y5V,TP,1608,-
C830,C831,C872	2203-005065	1uF,+80-20%,10V,Y5V,TP,1608,-
C127,C135	2203-005138	1.8nF,10%,50V,X7R,TP,1005,-
C342,C645	2203-005158	2.2pF,0.25pF,50V,NPO,TP,1005,0
C629	2203-005195	10nF,5%,25V,COH,TP,3216,-
C349	2203-005234	1.2pF,0.25pF,50V,NPO,TP,1005,0
C602,C646	2203-005444	3pF,0.1pF,50V,NPO,TP,1005,-
C957,C962	2203-005481	47nF,10%,10V,X7R,TP,1005,-
C963	2203-005481	47nF,10%,10V,X7R,TP,1005,-
C365,C616,C955	2203-005562	10uF,+80-20%,10V,Y5V,TP,3216,-
C108,C200,C211,C262	2203-005607	10NF,10%,16V,X7R,BK,1005
C333,C359,C360,C433	2203-005607	10NF,10%,16V,X7R,BK,1005
C435,C531,C600,C601	2203-005607	10NF,10%,16V,X7R,BK,1005
C605,C607,C615,C620	2203-005607	10NF,10%,16V,X7R,BK,1005
C622,C626,C627,C630	2203-005607	10NF,10%,16V,X7R,BK,1005
C636,C801,C828,C850	2203-005607	10NF,10%,16V,X7R,BK,1005
C852,C854,C859,C870	2203-005607	10NF,10%,16V,X7R,BK,1005
C979,C612	2203-005607	10NF,10%,16V,X7R,BK,1005
C252,C253	2404-000203	3.3uF,10%,16V,-,TP,3216,-
C953	2404-001039	47uF,20%,6.3V,GP,TP,3528,-
C464,C871,C873	2404-001083	220uF,20%,6.3V,LZ,TP,7125,-
C203	2404-001086	4.7uF,20%,6.3V,GP,TP,2012,-
C103,C104,C255,C256	2404-001105	10UF,20%,6.3V,GP,TP,2012
C436,C805,C806,C816	2404-001105	10UF,20%,6.3V,GP,TP,2012
C817,C826,C827,C832	2404-001105	10UF,20%,6.3V,GP,TP,2012
C845,C860,C861,C868	2404-001105	10UF,20%,6.3V,GP,TP,2012
L126,L128	2703-000217	470uH,10%,2.5x3.2x2mm
L127,L129	2703-001071	330uH,10%,3.2x2.5x2mm

LOCATION	SEC.CODE	DESCRIPTIONS
L302	2703-001172	100nH,5%,1.6x0.8x0.8mm
L401	2703-001174	33nH,5%,1.6x0.8x0.8mm
L301,L303,L320,L501	2703-001732	56nH,5%,1.6x0.8x0.8mm
L327	2703-001179	10nH,5%,1x0.5x0.5mm
L175	2703-001290	2.7nH, HK1608 1.6x0.8x0.8mm
L307,L326	2703-001263	4.7nH,10%,1x0.5x0.5mm
L502,L503	2703-001308	68nH,5%,1.6x0.8x0.8mm
L600	2703-001409	12nH,10%,1x0.5x0.5mm
L250,L324	2703-001595	47nH,5%,1.0x0.5x0.5mm
L325,L402	2703-001708	5.6nH,10%,1.0x0.5x0.5mm
L800	2703-001716	22uH,20%,6.60x4.45x2.92mm
L323	2703-001722	18nH,5%,1.0x0.5x0.5mm
L321,L322,L405,L406	2703-001723	33nH,5%,1.0x0.5x0.5mm
L504,L505	2703-001723	33nH,5%,1.0x0.5x0.5mm
L500,L507	2703-001726	27nH,5%,1x0.5x0.5mm
L328,L329,L602	2703-001727	22nH,5%,1x0.5x0.5mm
L604	2703-001728	1.5nH,0.3nH,1x0.5x0.5mm
L308	2703-001730	15nH,5%,1x0.5x0.5mm
L305,L309,L403,L607	2703-001734	6.8nH,5%,1x0.5x0.5mm
L306,L310,L319	2703-001735	3.9nH,10%,1x0.5x0.5mm
L603,L606	2703-001737	2.7nH,0.3nH,1x0.5x0.5mm
L251	2703-001740	10uH,20%,6.6x4.45x2.8mm
L300,L601	2703-001794	120NH,2%,1.8X1.12X1.02MM
L318	2703-001798	2.2NH,0.3NH,1.0X0.5X0.5MM
X201	2801-003747	.032768MHZ,30PPM,28-ACM,9PF,50OHM,TP
X600	2806-001190	1171-1216MHZ,-,-,TP,3V,8MA
X501	2806-001194	1747MHZ,-,10-+2.0DBM,TP,2.75V,-
X500	2806-001199	897.5MHZ,-,-,TP,3V,60MA
X601	2809-001220	13MHz,5ppm,10Kohm//10pF,TP,3V,
F305	2903-001203	BP,13MHZ,-,6DB,1DB,TP,-
F303	2904-001093	1842.5MHz,75MHz,1dB,TP,-,-
F300	2904-001146	246MHz,QCC12B,TP,4dB,LOW-LOSS,
F301	2904-001147	942.5MHz,DCC6,TP,2.3dB,LOW-LOS
F304	2904-001170	1.8425GHZ,-,1.0DB,TP,1805-1880MHZ/2.4DB,1765MHZ-1785MHZ/15DB
F302	2904-001175	942.5MHZ,35MHZ,1DB,TP,3.2DB,619MHZ-905MHZ/27DB
U401	2909-001086	942.5MHZ,897.5MHZ,1.1/1.1DB,TP,-,-
F200,F201	3301-001208	AB,1.6x0.8x0.8mm,-,-
J100	3709-001088	6P,2.54mm,SMD-S,AU
M950	3710-001105	2P,1R,1.27mm,SMD-S,AU
J151	3710-001117	24P,2R,0.8mm,SMD,SN
J176	3710-001302	18P,1R,0.5mm,SMD-A,AUF
J901	3722-001303	6P,2.6mm,AG,BLK,NO

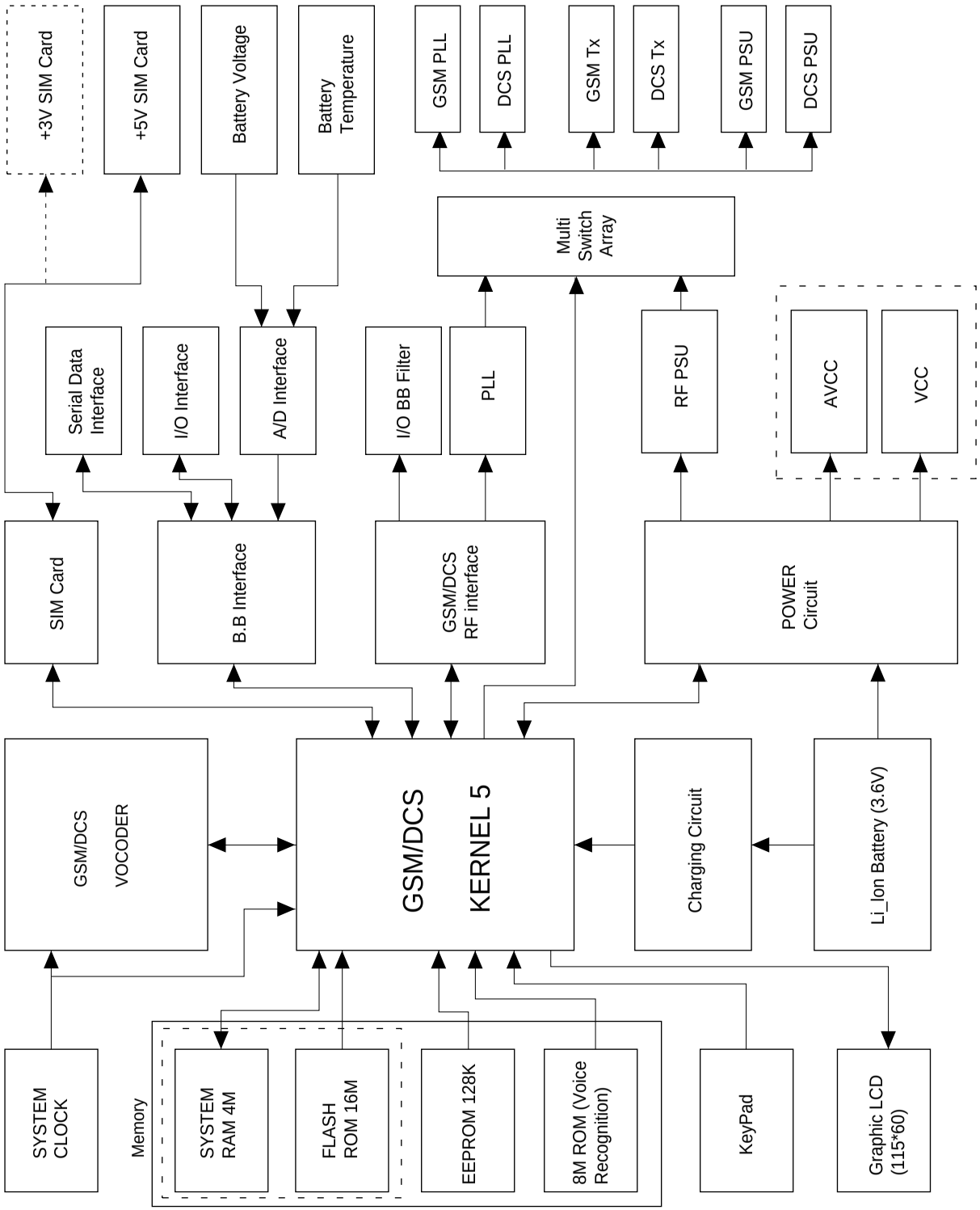
LOCATION	SEC.CODE	DESCRIPTIONS
C863	4302-001081	-,.25MAH,COIN,0.03MA,-,-
U401	4709-001174	890~915/1710~1785MHZ,14DB,24DB,2.0X1.25X1.0,TP
J180	GH07-00007A	SGH-2100,UG-11B02-FLHTX-A,-,-,38.4X47.7X5.0
W176	GH39-00022A	SGH-2100,HANKHE SEMI ANTCABLE,-,-,-,-

3 Block Diagrams

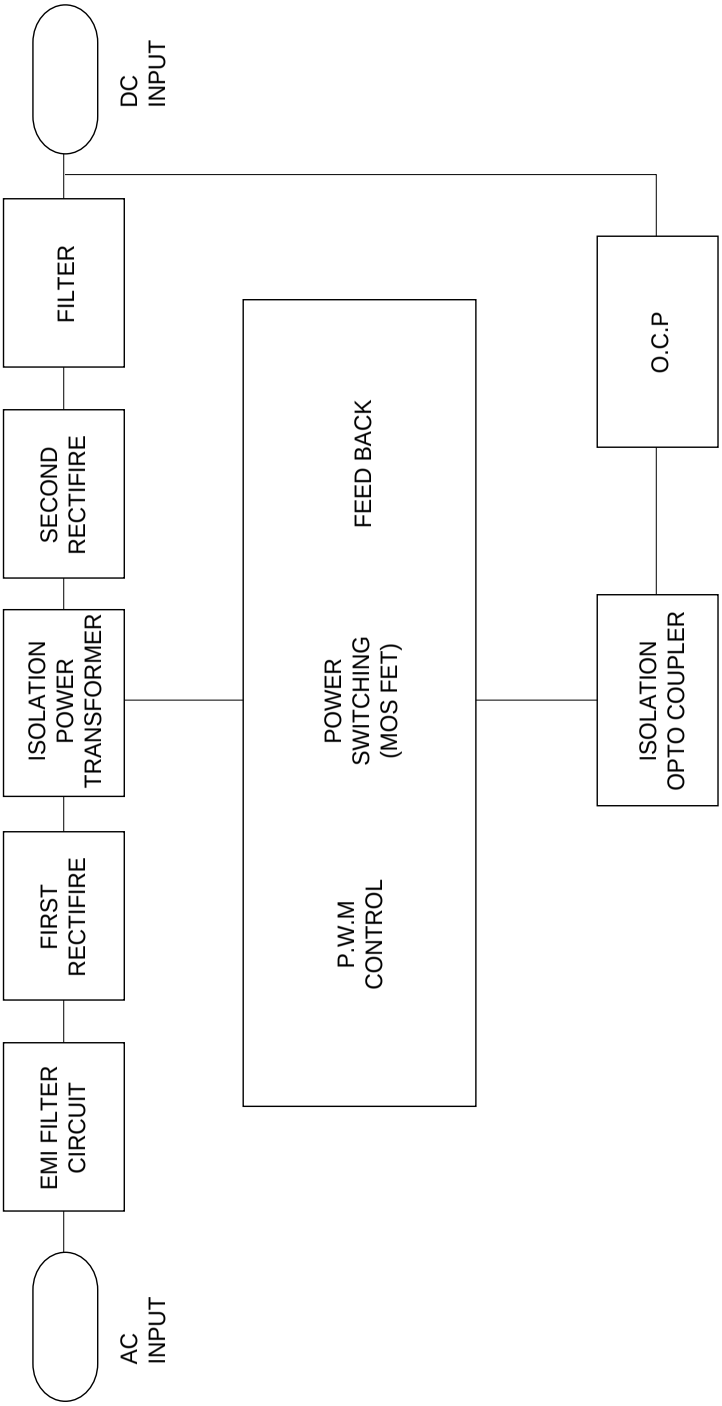
3-1 Main RF



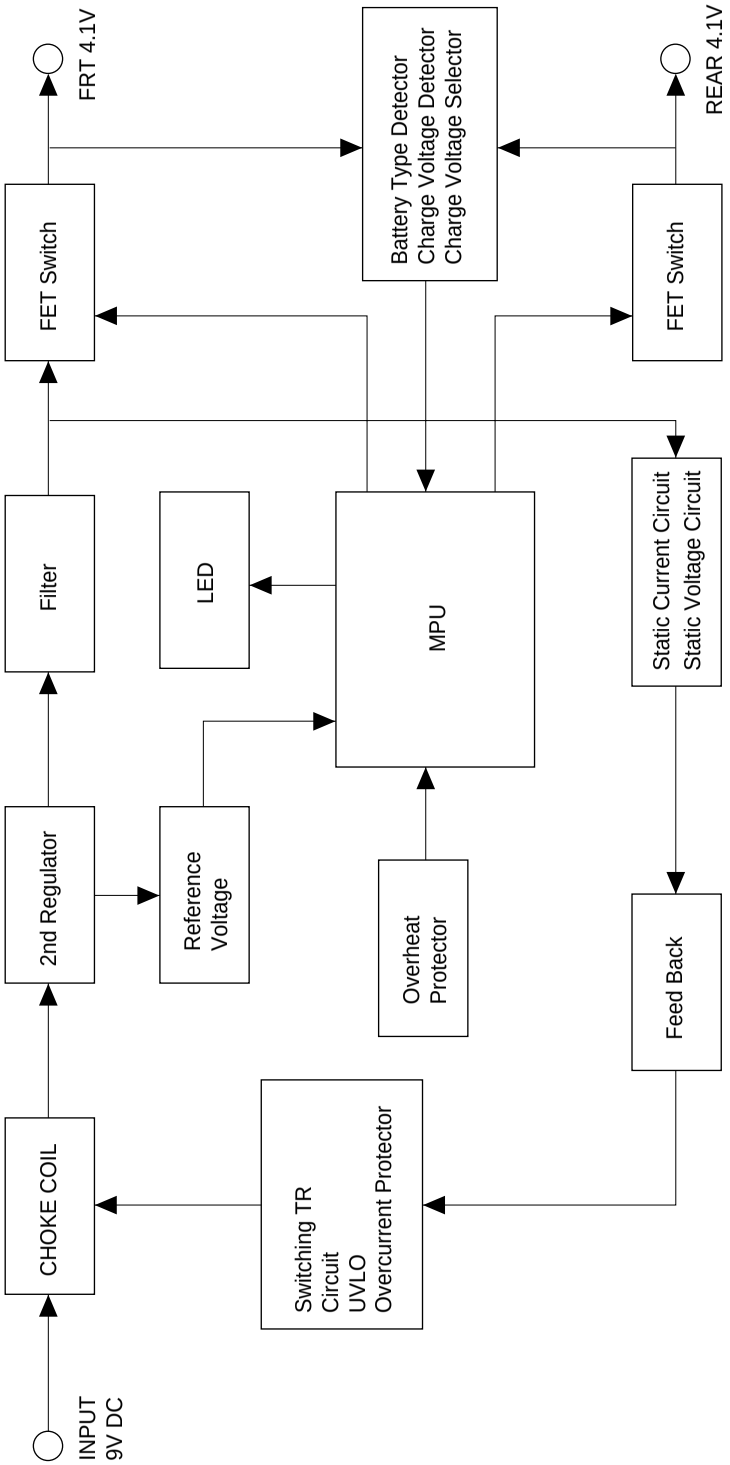
3-2 Main Base Band



3-3 Travel Adaptor

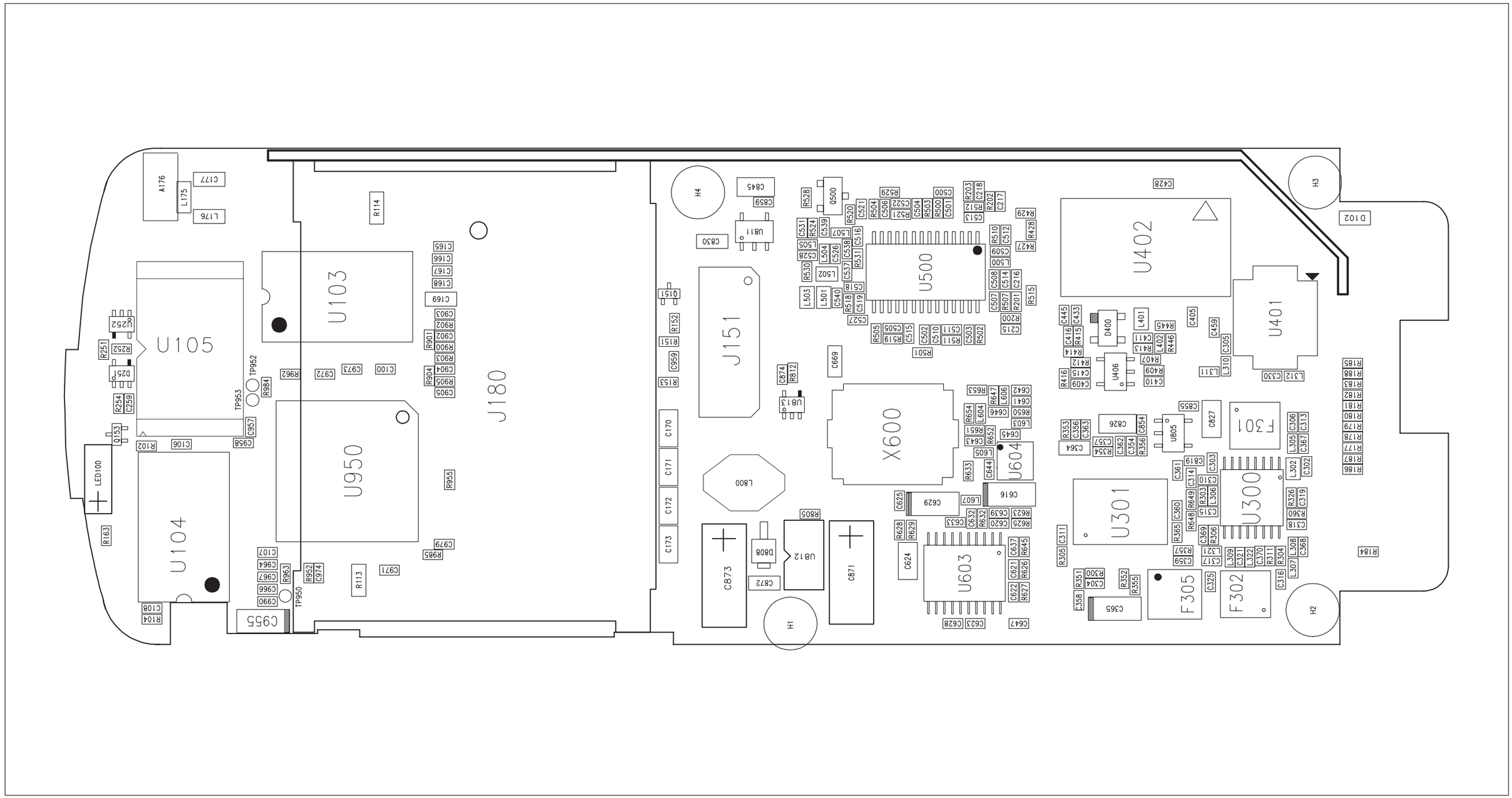
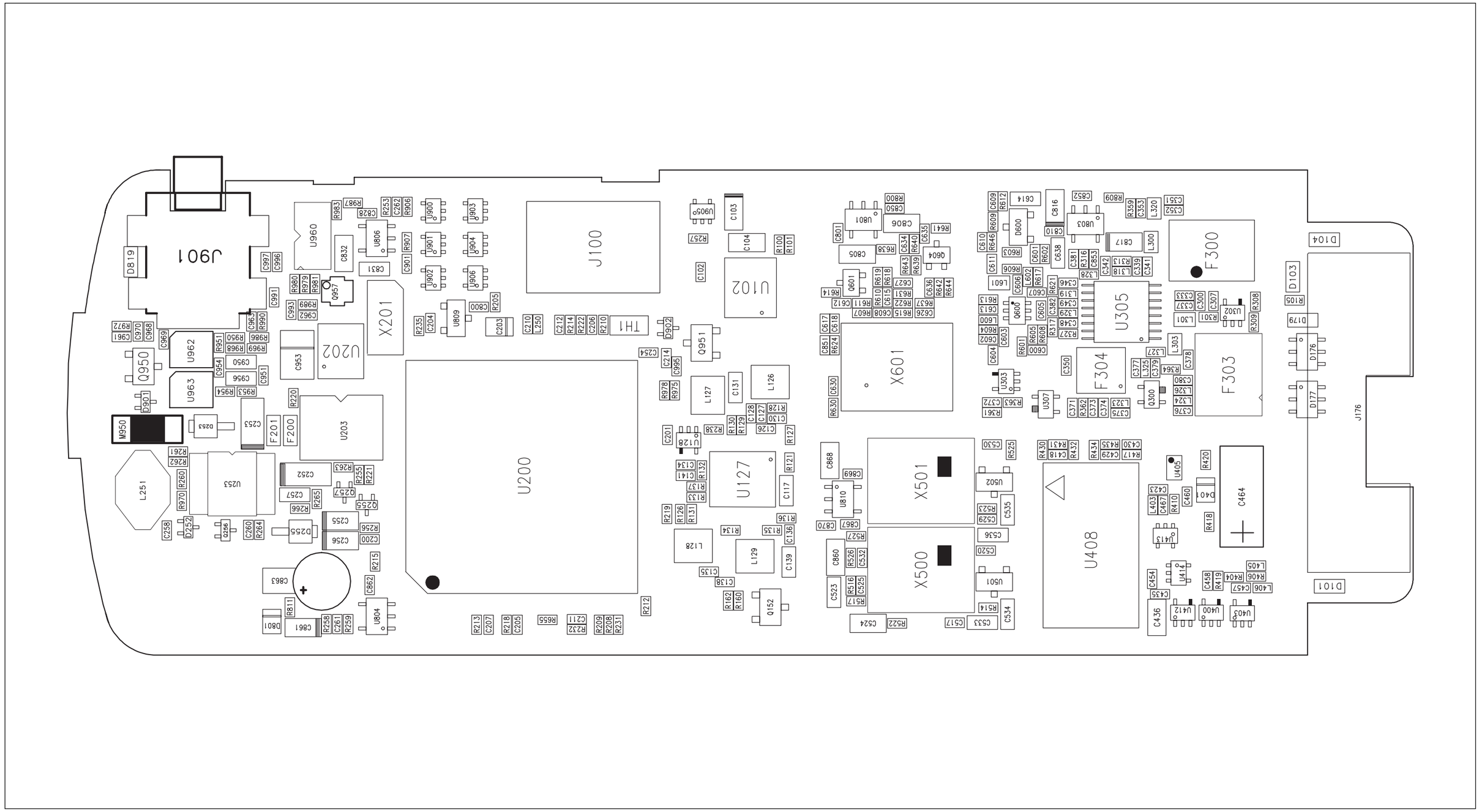


3-4 Desk Top Charger



4. PCB Diagrams

4-1 Main Top



4-2 Main Bottom